



Vivo X7 Plus Repairability Assessment

Vivo X7 Plus repairability assessment performed on January 10, 2017.

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INTRODUCTION

The Vivo X7 Plus is hard to open and has a single unit display, but is moderately repairable due to its accessible battery. The phone ultimately earns a 7 out of 10 on the repairability scale.



TOOLS:

- [T2 Torx Screwdriver](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
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Step 1 — Vivo X7 Plus Repairability Assessment



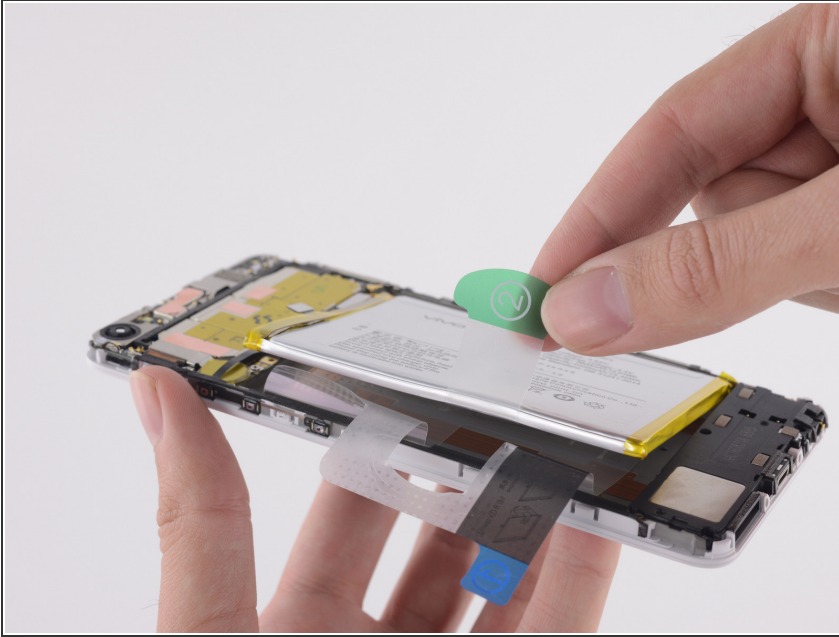
- Reference photos.

Step 2



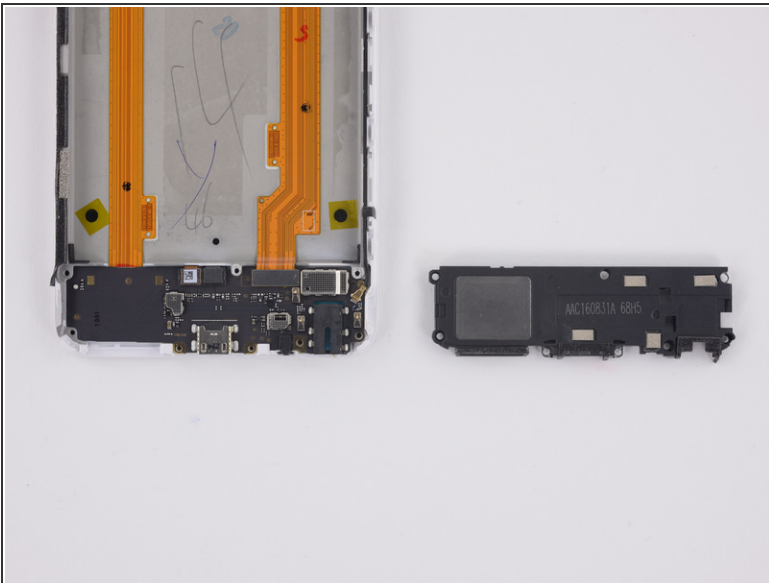
- T2 screws on the bottom, but tough clips secure the case, making the screws superfluous.
- Tough prying procedure is made slightly simpler by the larger form factor, more space between clips and more flexibility.
- Interior reference.

Step 3



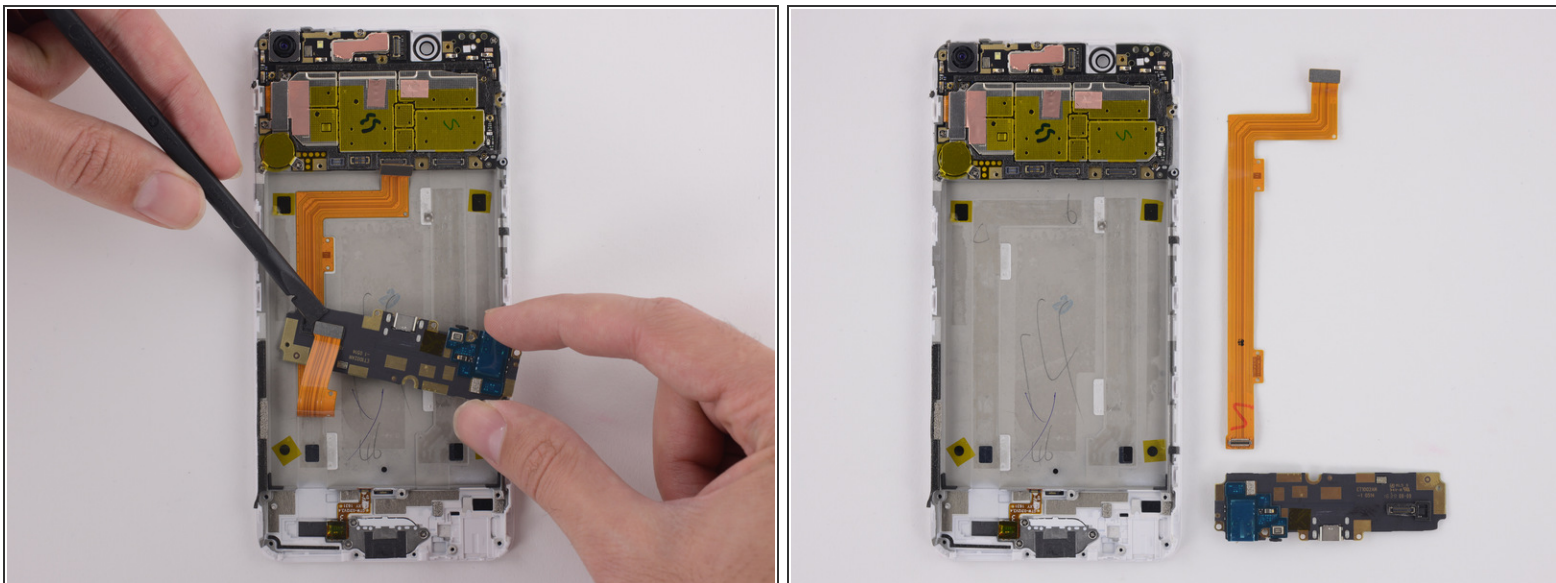
- Battery is readily accessible and pull tabs make removal easy.
- Instructions are somewhat ambiguous, but it's hard to mess it up.

Step 4



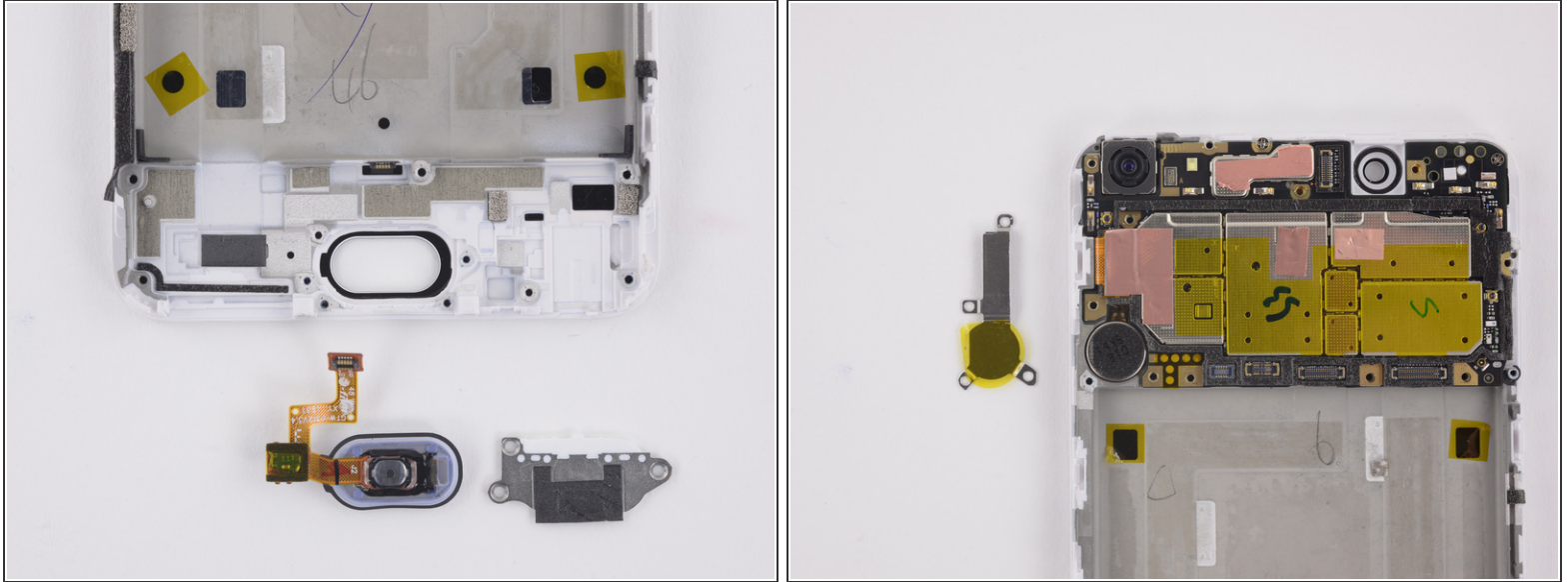
- Removal of the speaker/antenna assembly is immediately possible.
- The next layer of components out are: Interconnect cable, antenna interconnect cable, button cable, brackets, SIM eject lever, and front facing camera.

Step 5



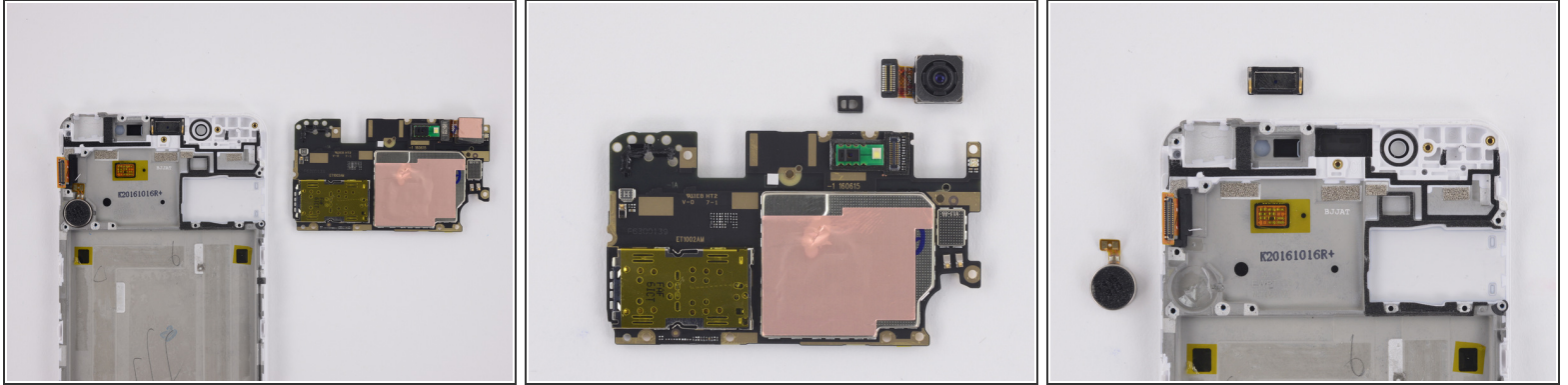
- Interconnect cable attached to the rear of the daughterboard is annoying.
- Removal of daughterboard and interconnect cable.
- The daughterboard is relatively bare, but two high-wear mechanical parts make repair more expensive for either headphone jack or charging port replacement.

Step 6



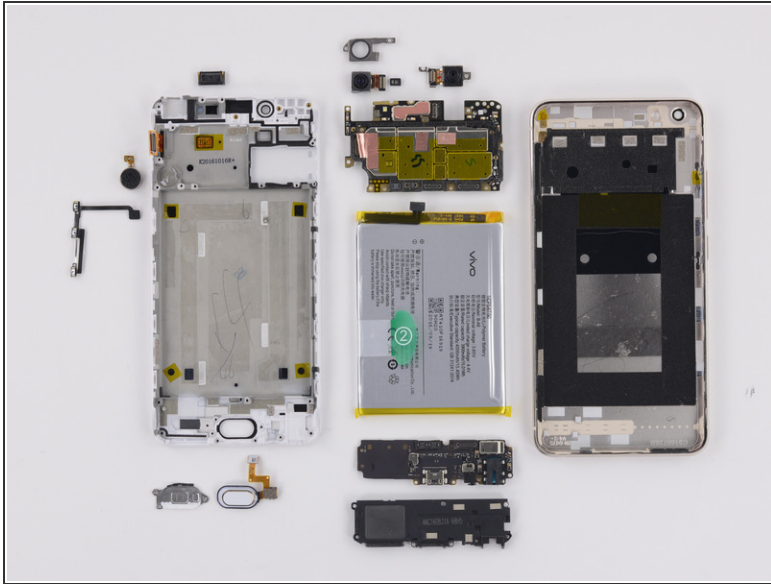
- Next removable components are the home button bracket, followed by home button.
- The only upper component immediately removable is the vibrator bracket.
 - ❗ But not the vibrator, which is trapped under the motherboard.

Step 7

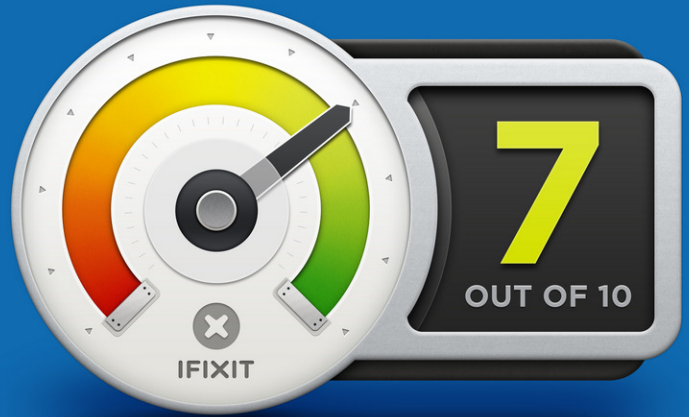


- Motherboard is next to come out.
- Once the motherboard is removed, the rear-facing camera can be removed. Also the rubber bumper on the flash/proximity sensor portion of the main board.
- The final components off of the display assembly are the vibrator and speaker.
- Last-out display that is fused and mounted to a frame means a cracked screen is a time-consuming, expensive repair.

Step 8



REPAIRABILITY SCORE:



- The Vivo X7 Plus earns a **7 out of 10** on our repairability scale (10 is the easiest to repair):
 - Battery is fairly easily accessible and removable.
 - Parts could be more modular, especially mechanical/high wear components.
 - The opening procedure is very tough, but easier than on the smaller model.
 - The single unit display assembly is annoying to reach, and will be a costly part.
 - Manufacturer does not provide user-accessible repair documentation.

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